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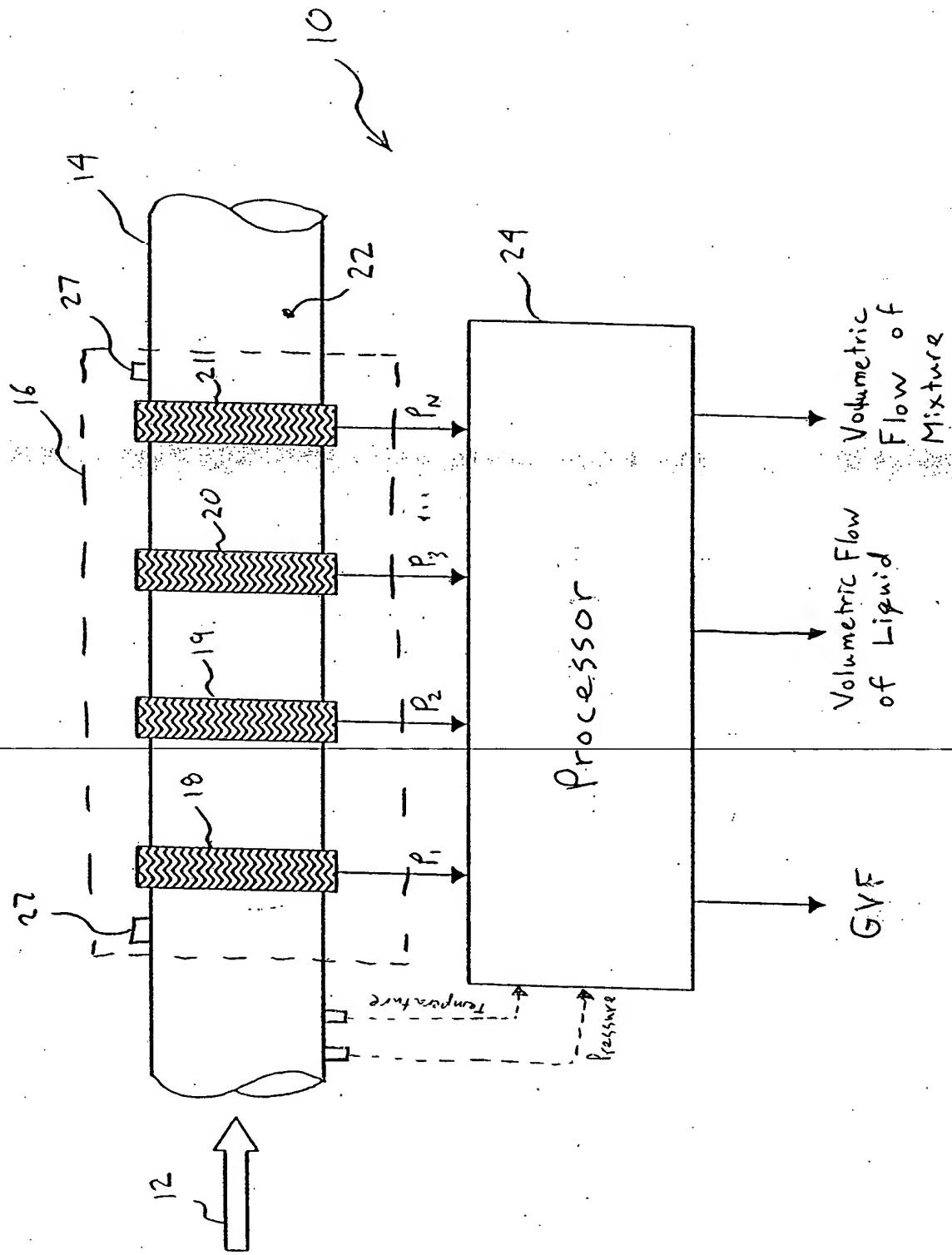


Fig. 1

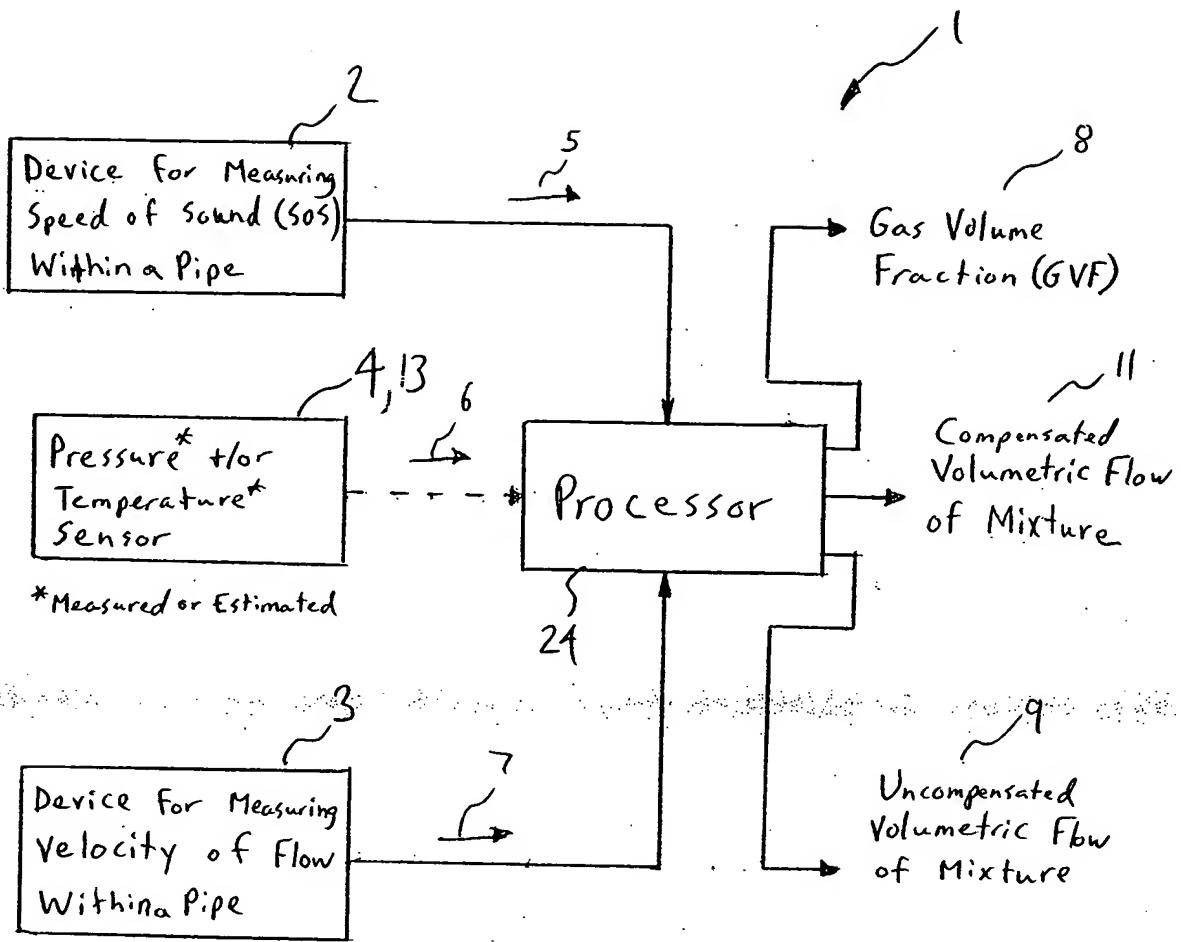


Fig. 2

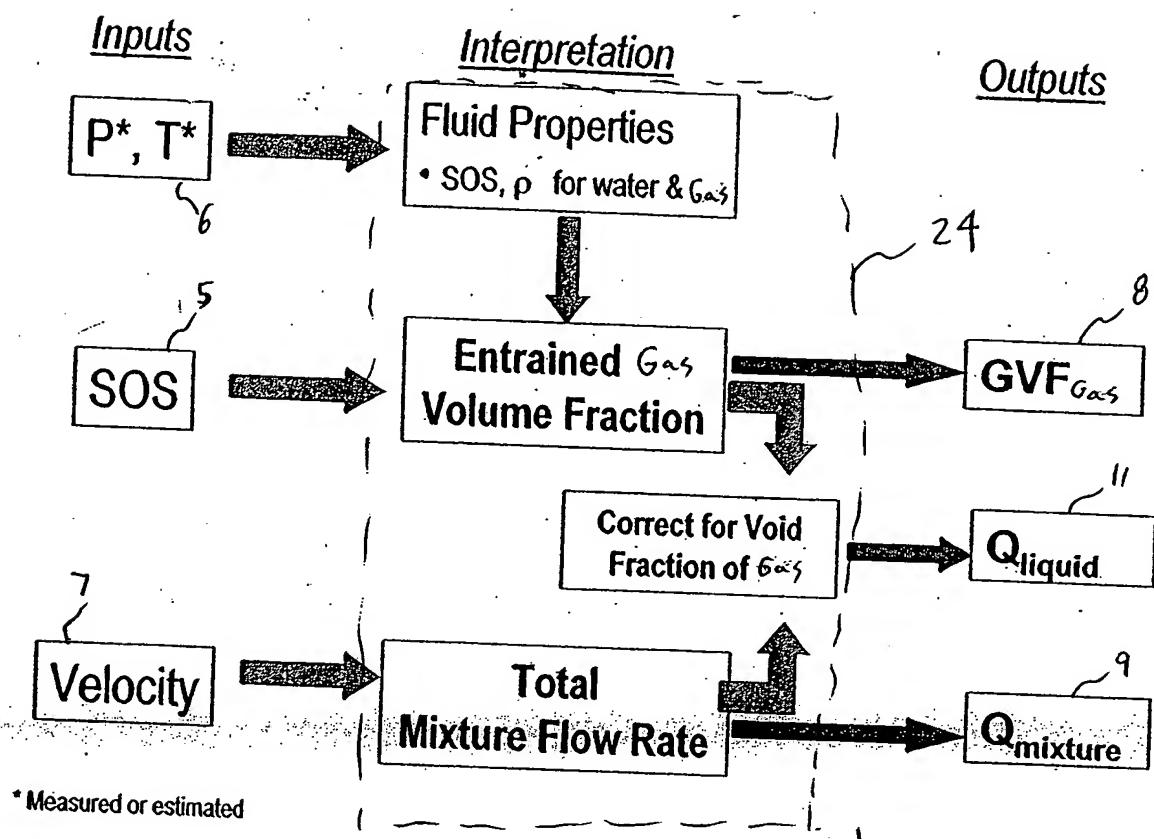


Fig. 3

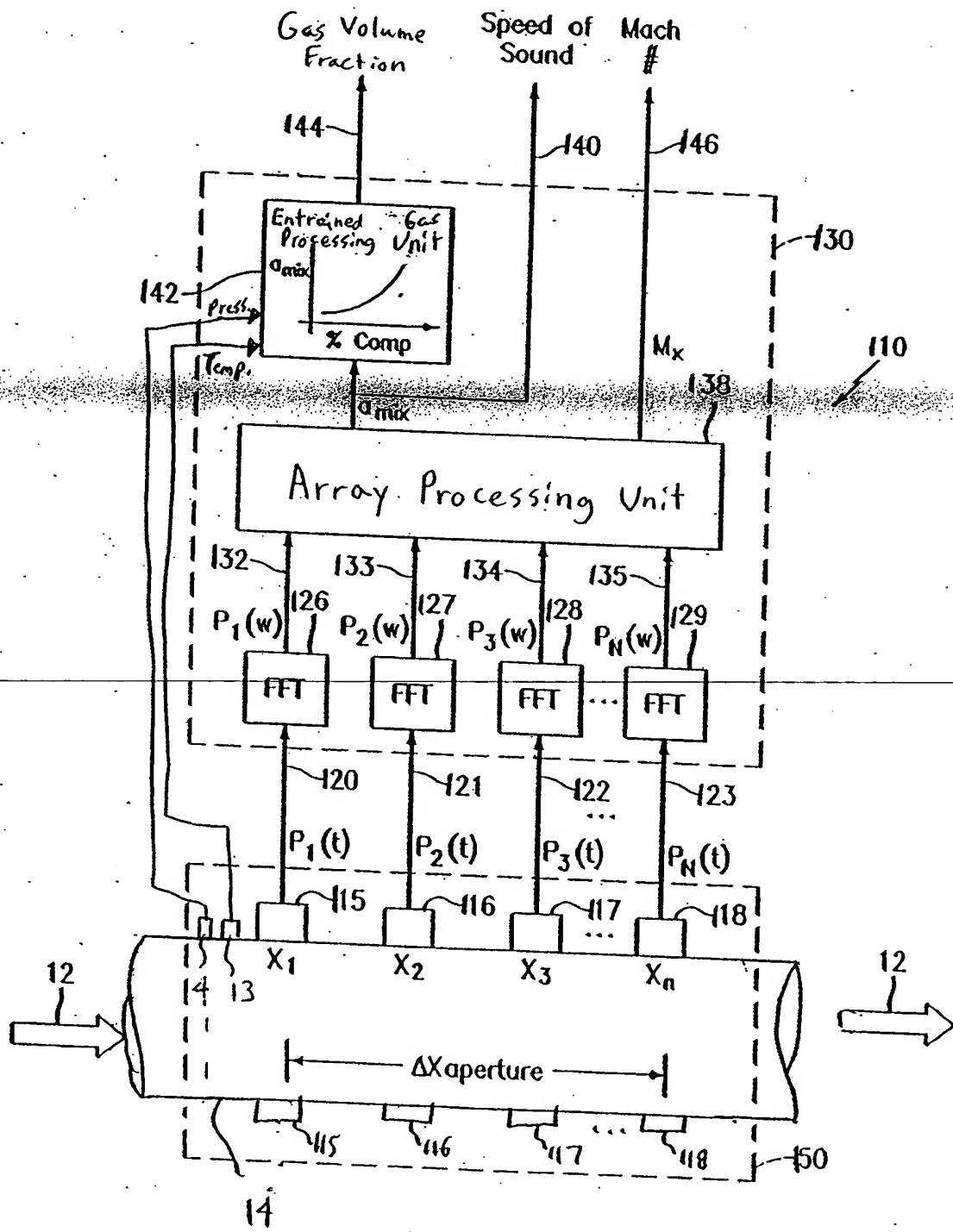


FIG. 4

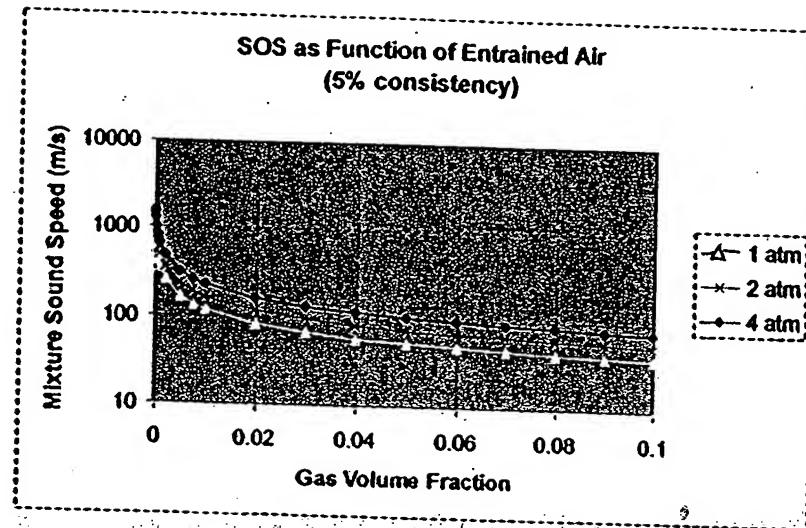


Fig. 5

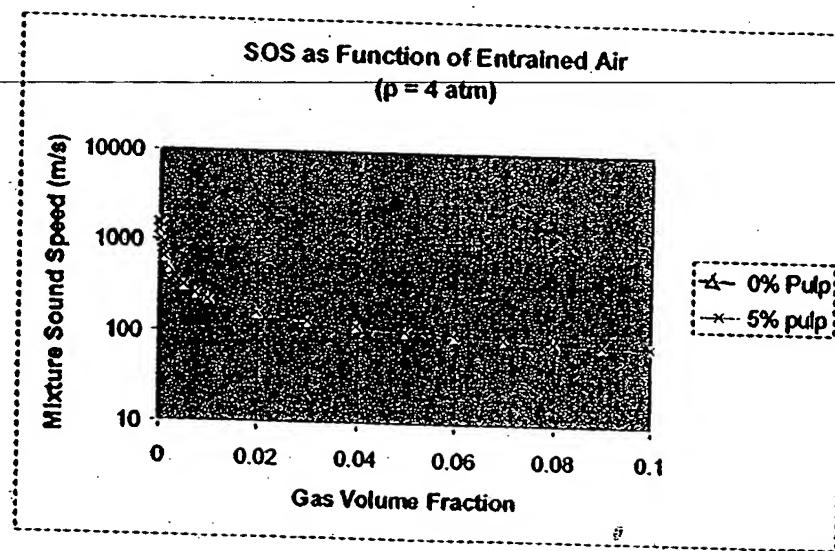


Fig. 6

### SOS as Function of Entrained Air

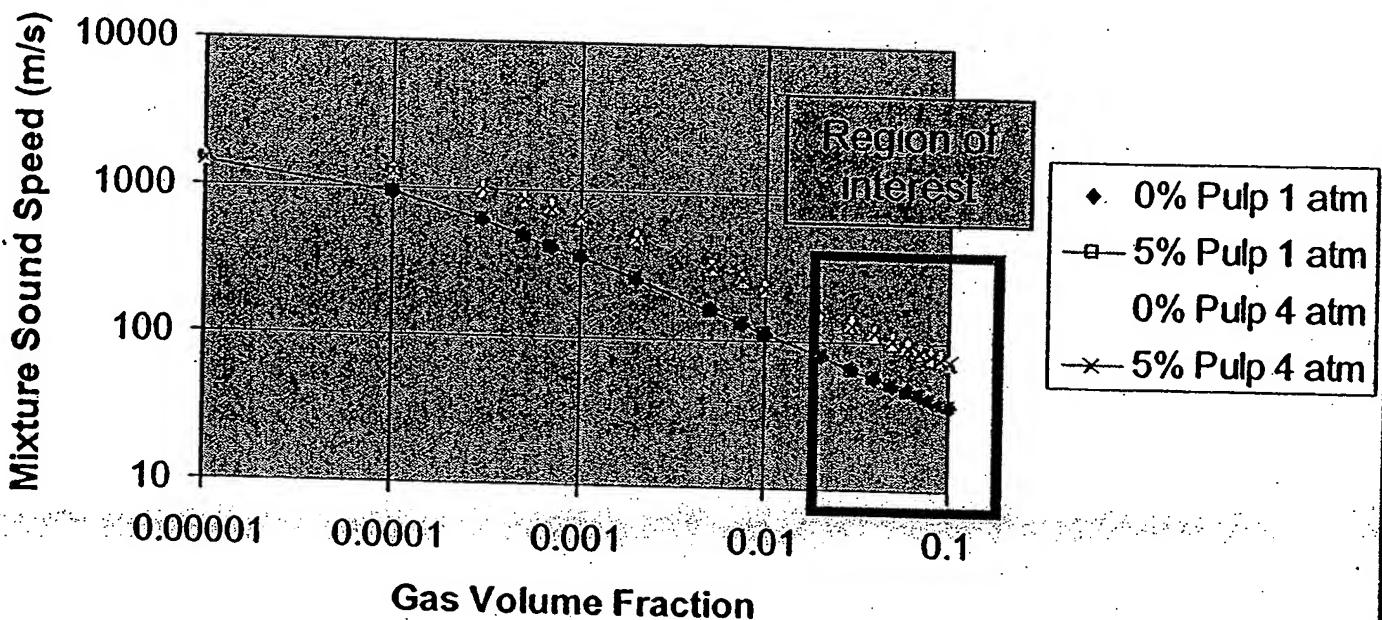


Fig. 7

### SOS as Function of Entrained Air

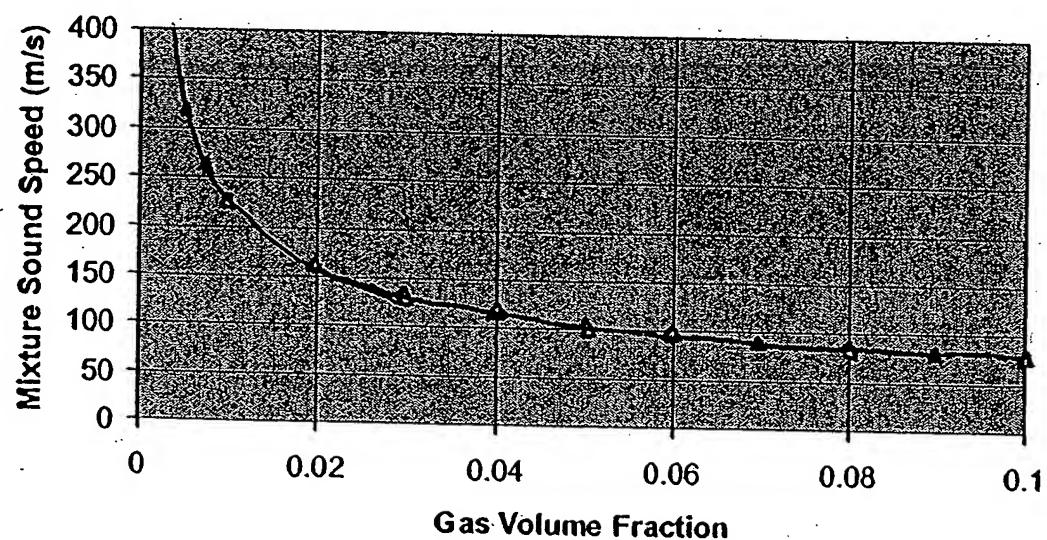


Fig. 8

K- $\omega$  plot showing Acoustic Ridges  
(in water with entrained air)

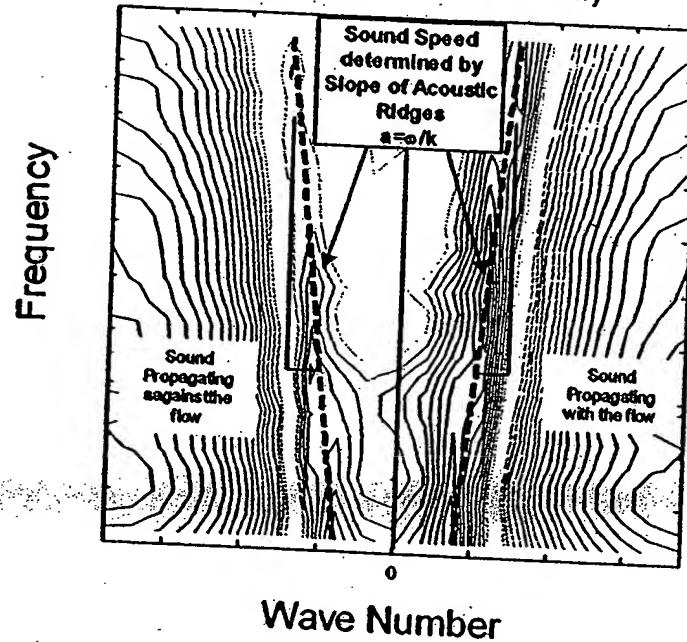


Fig. 9

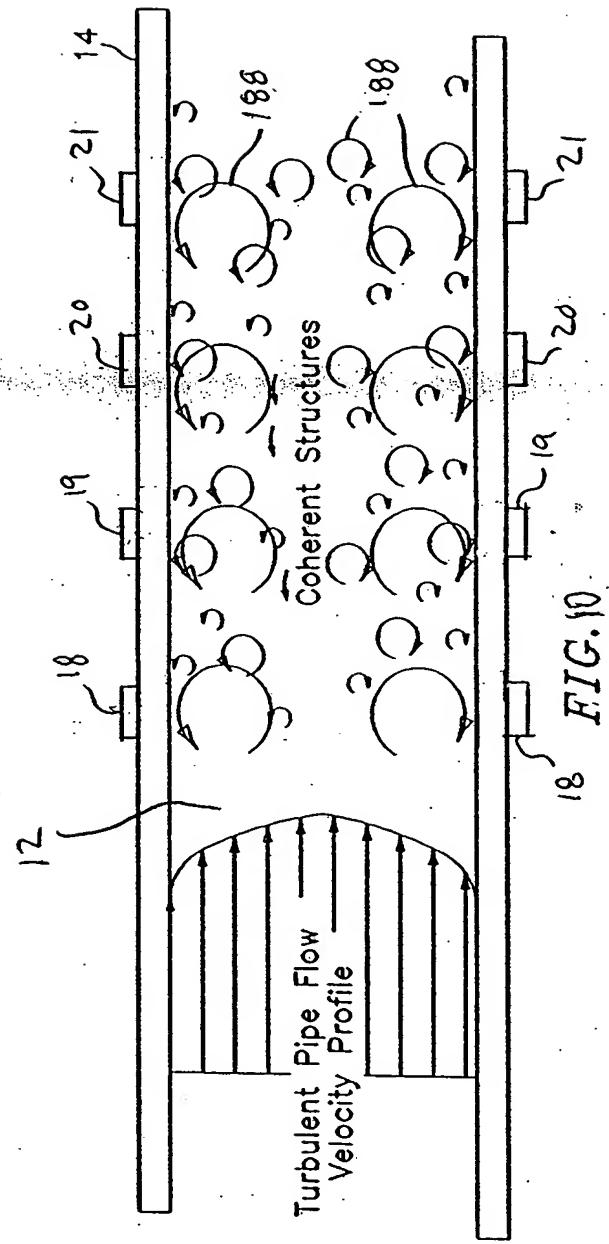


FIG. 10

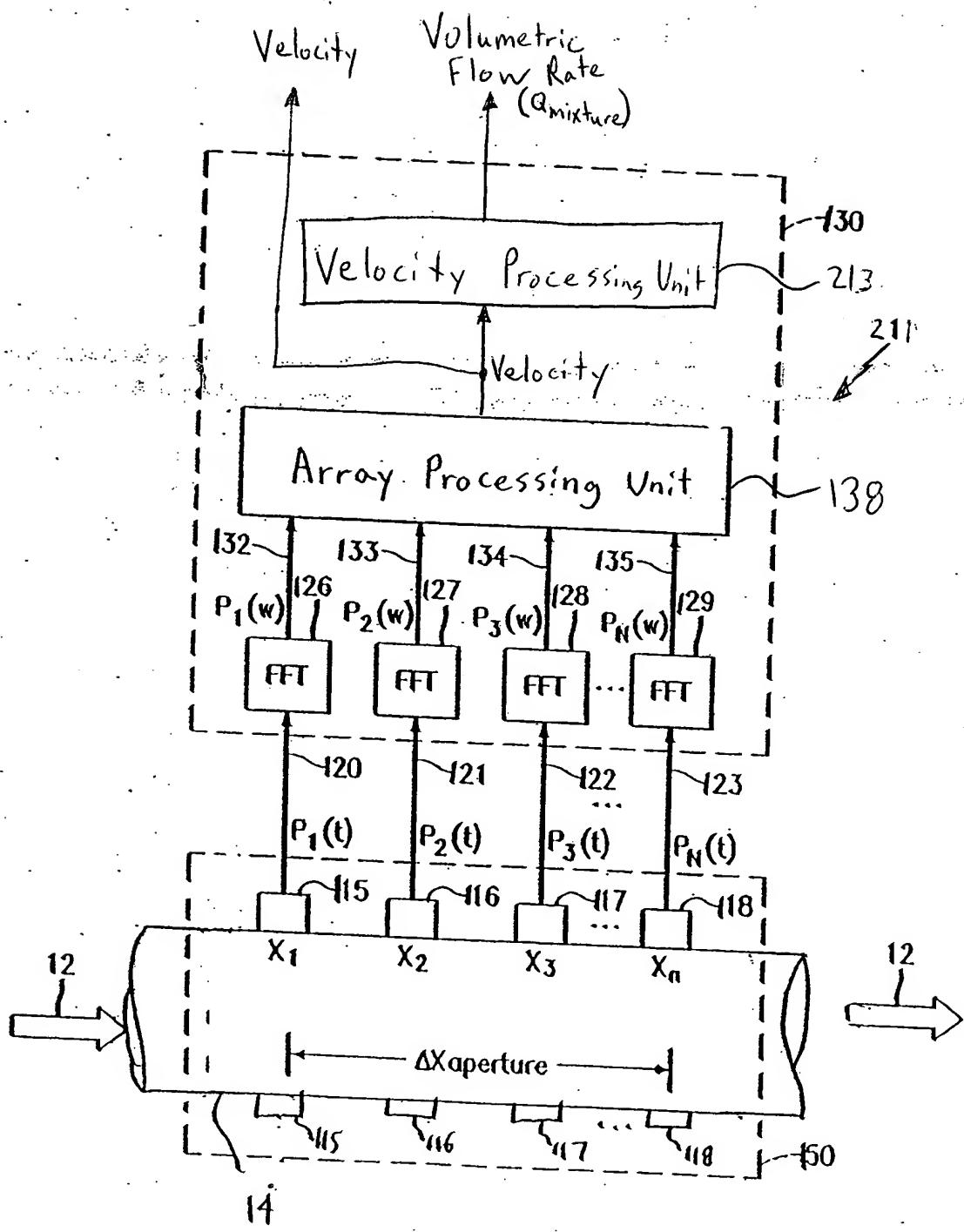


FIG. 11

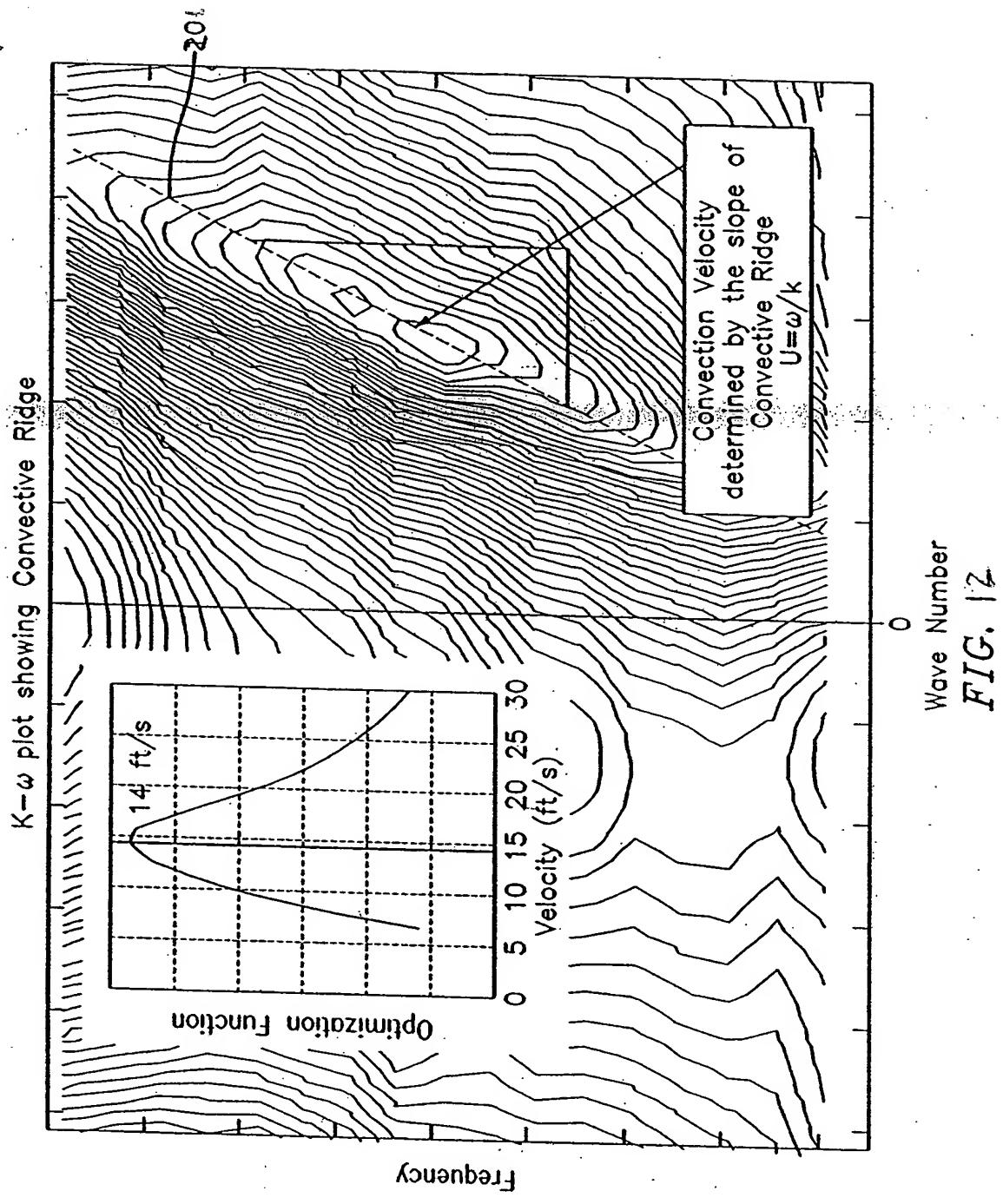


FIG. 12

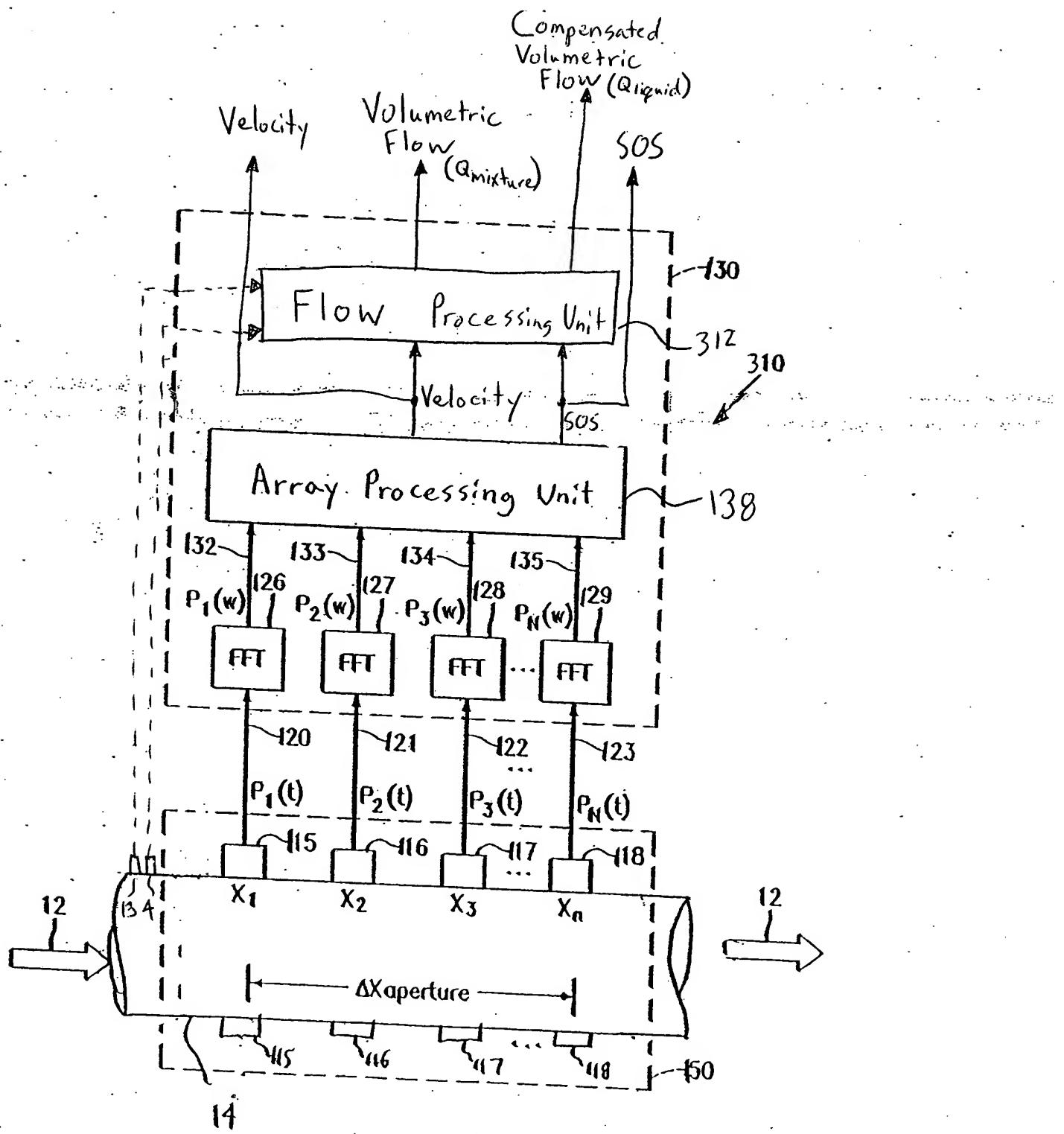


FIG. 13

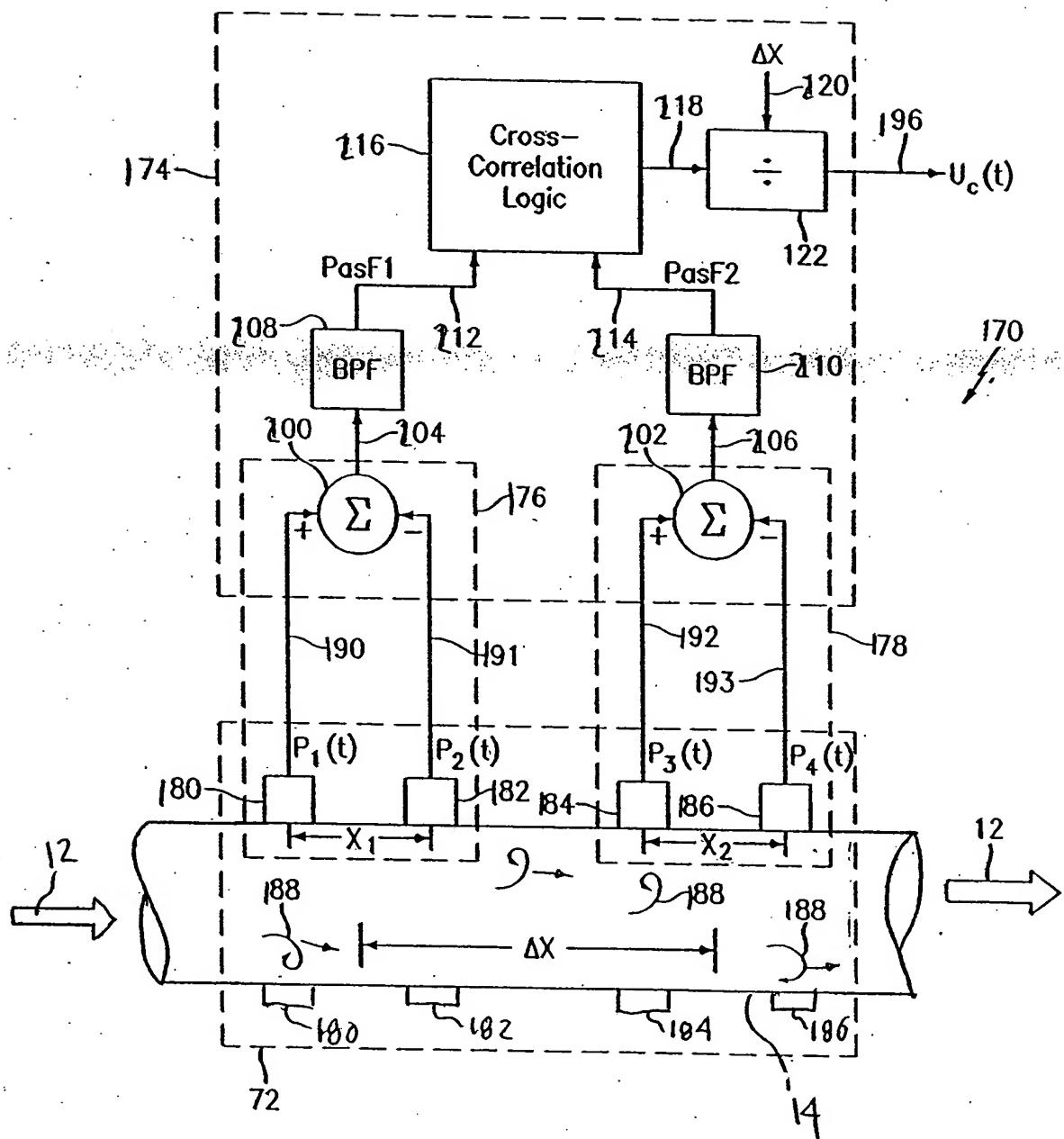


FIG. 14

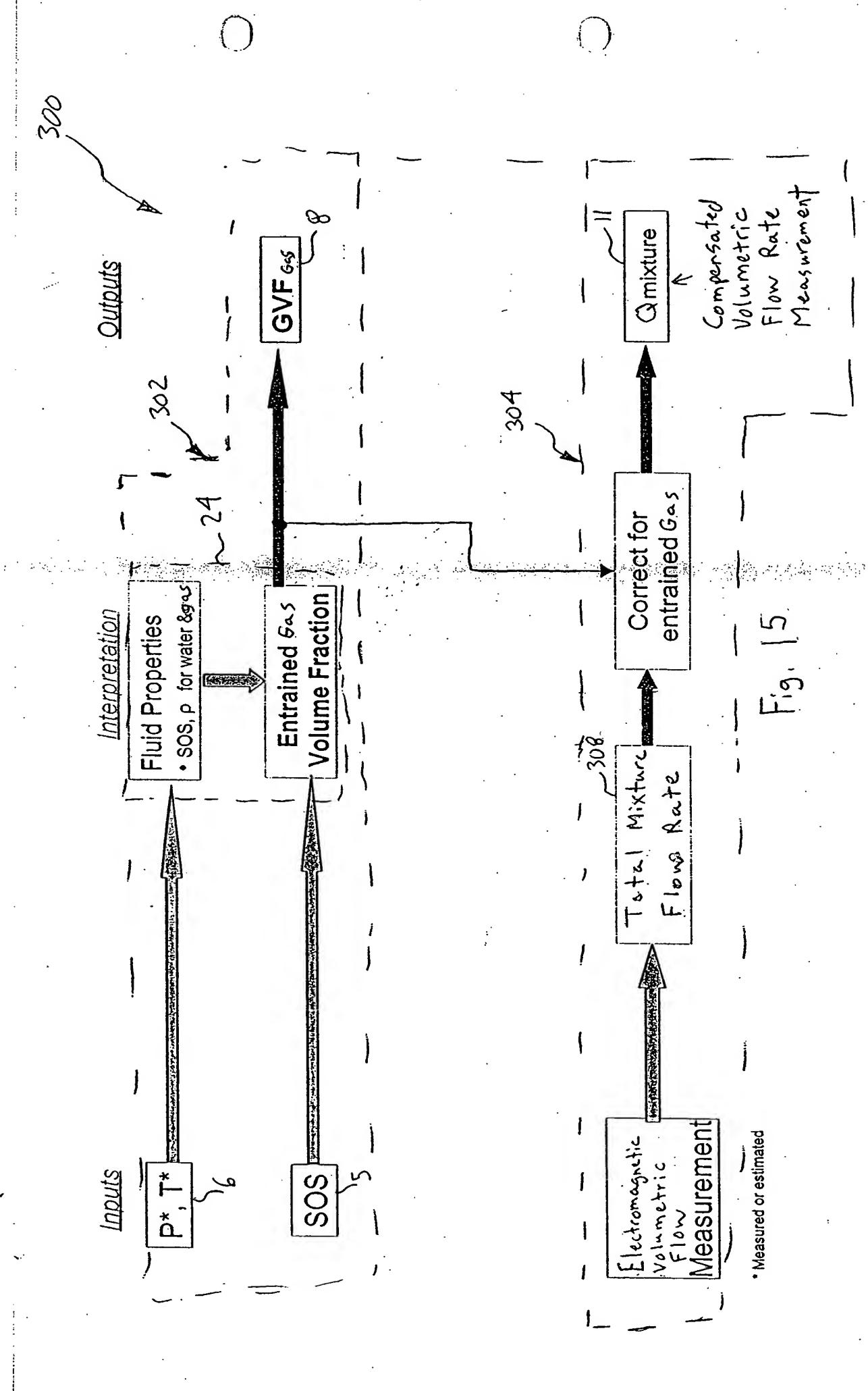


Fig. 15.

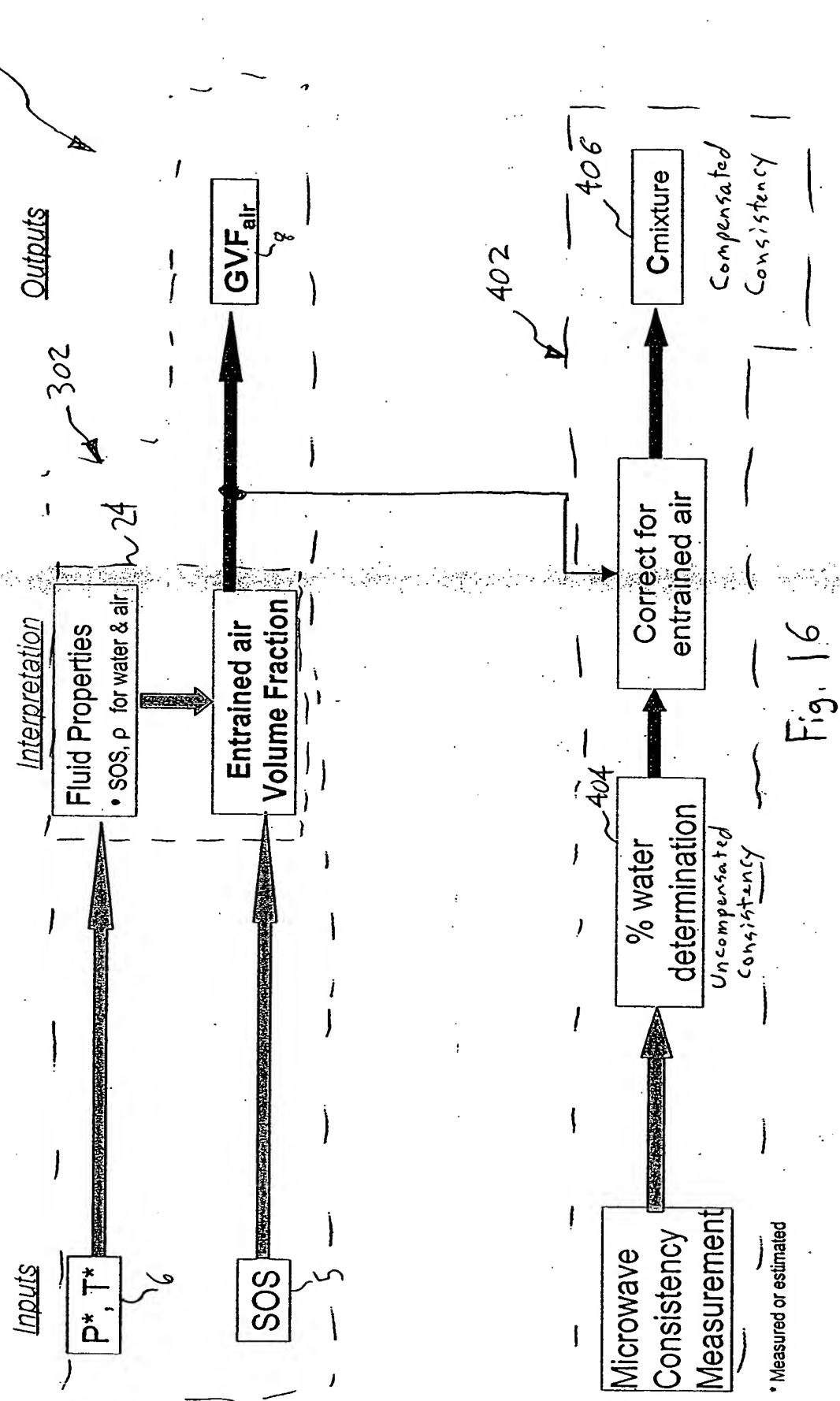


Fig. 16

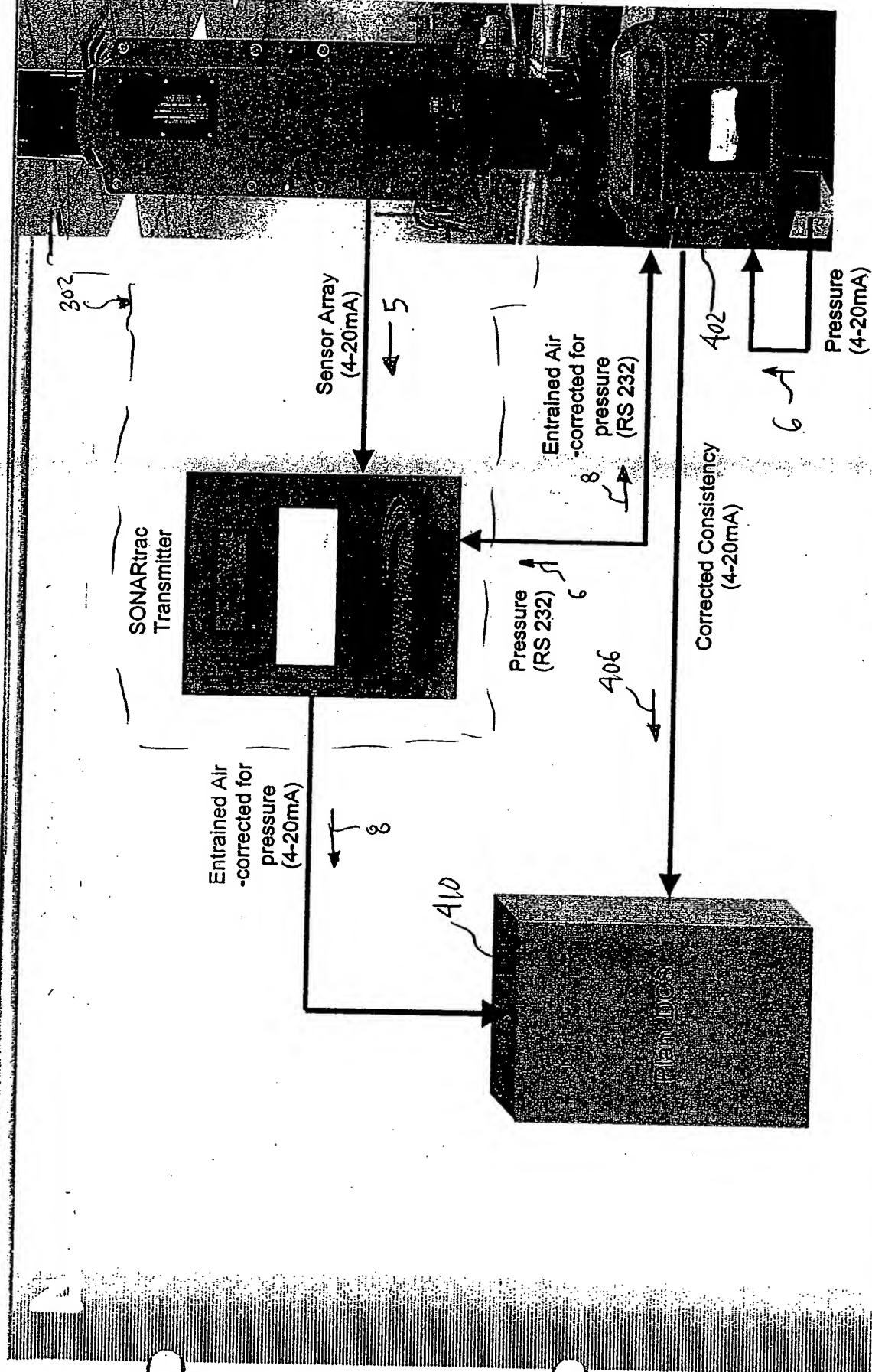
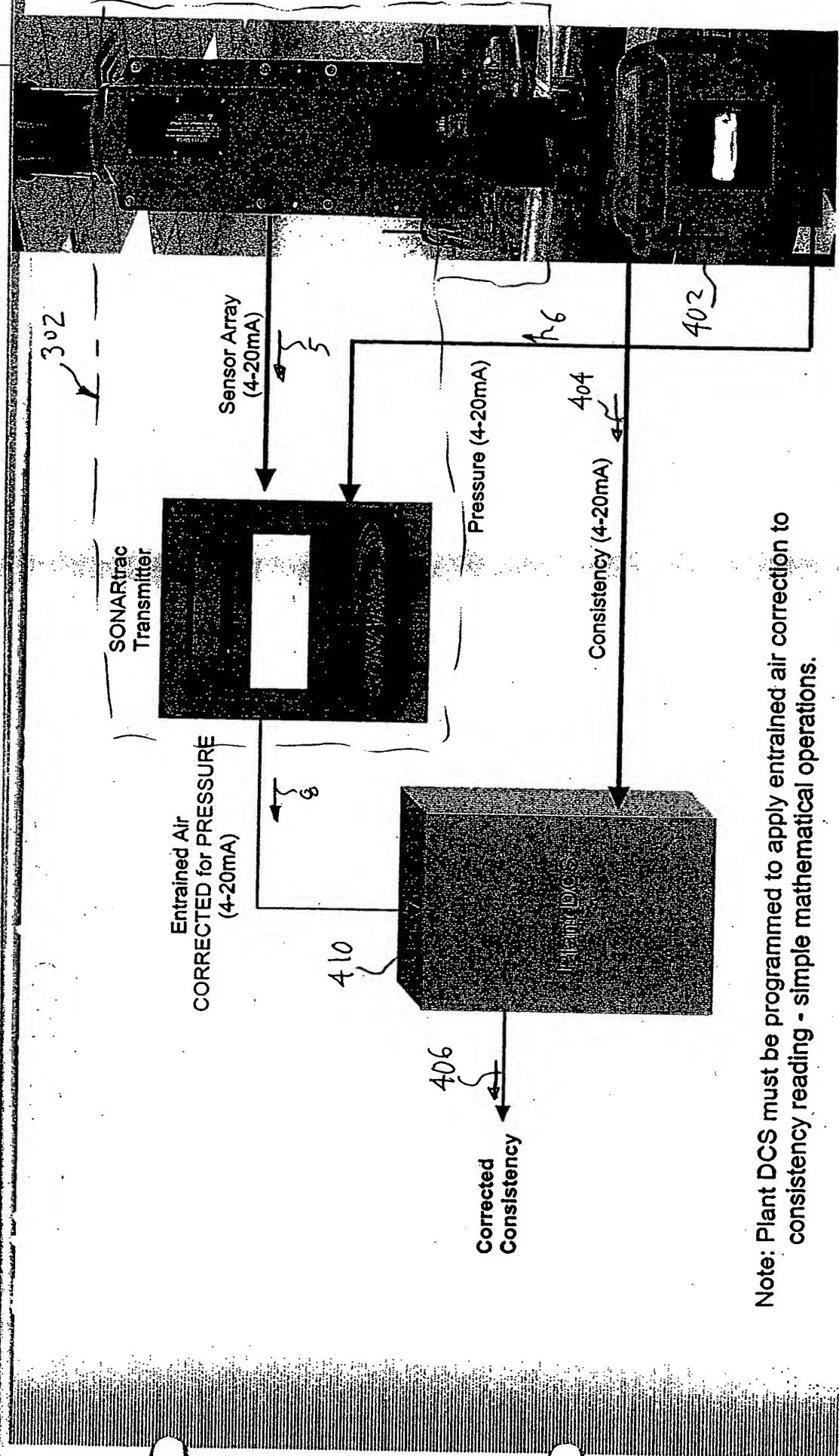
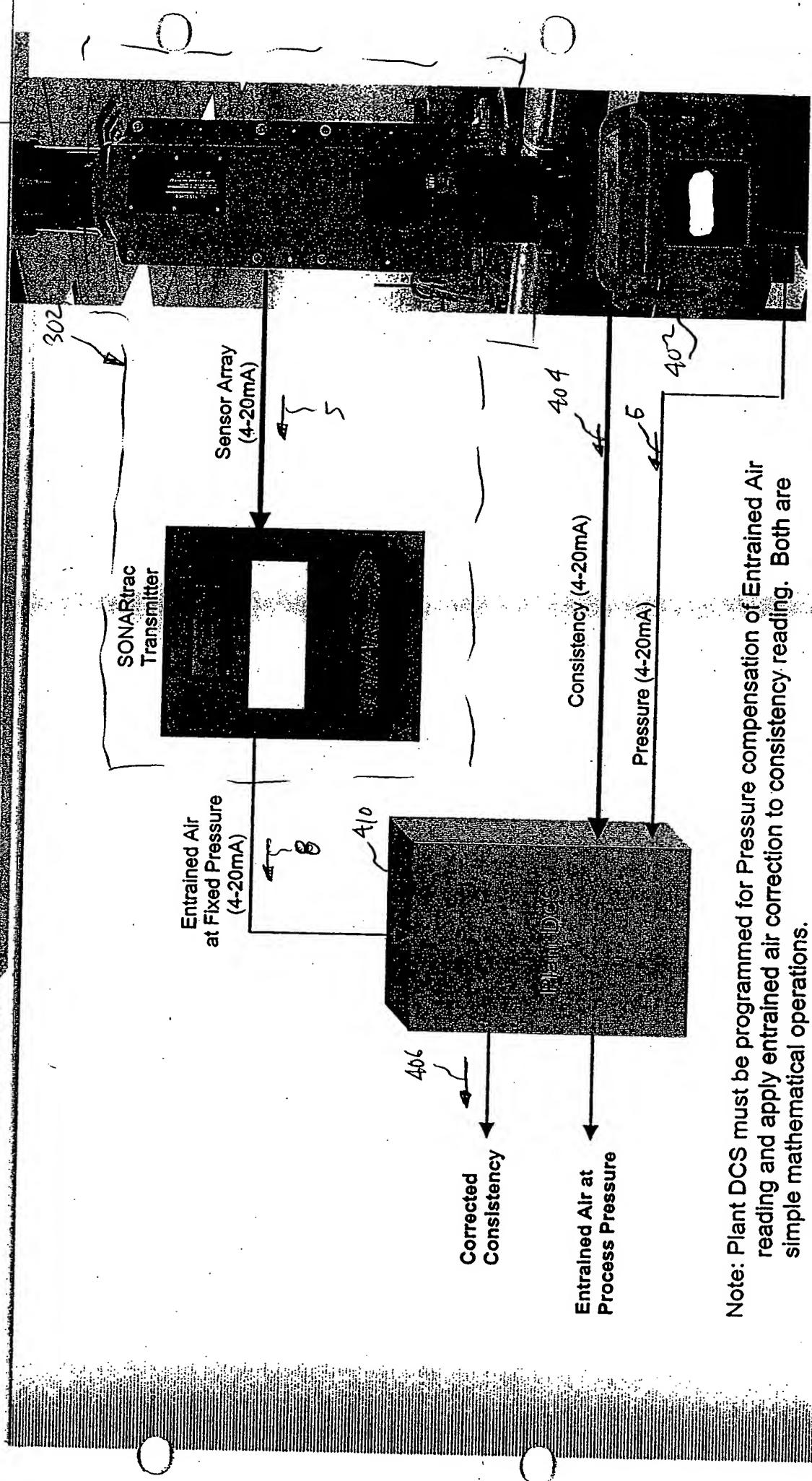


Fig. 17



Note: Plant DCS must be programmed to apply entrained air correction to consistency reading - simple mathematical operations.

Fig. 18



Note: Plant DCS must be programmed for Pressure compensation of Entrained Air reading and apply entrained air correction to consistency reading. Both are simple mathematical operations.

Fig. 19

### Microwave Consistency Corrected by CIDRA SONARtrac Entrained Air Measurement

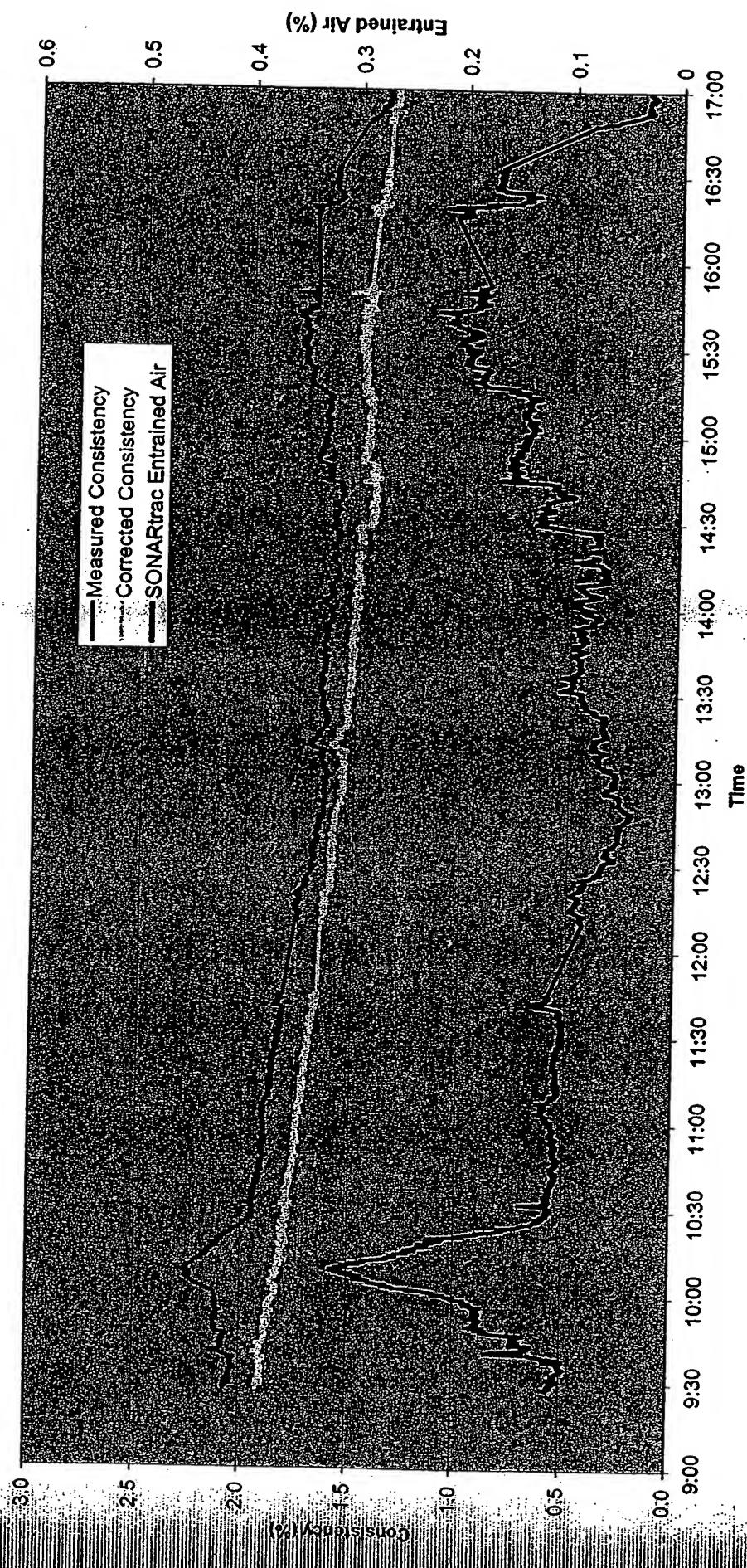


Fig. 20

## Macro-Bubble Testing Shows Ability to Correct Microwave Consistency Analyzer

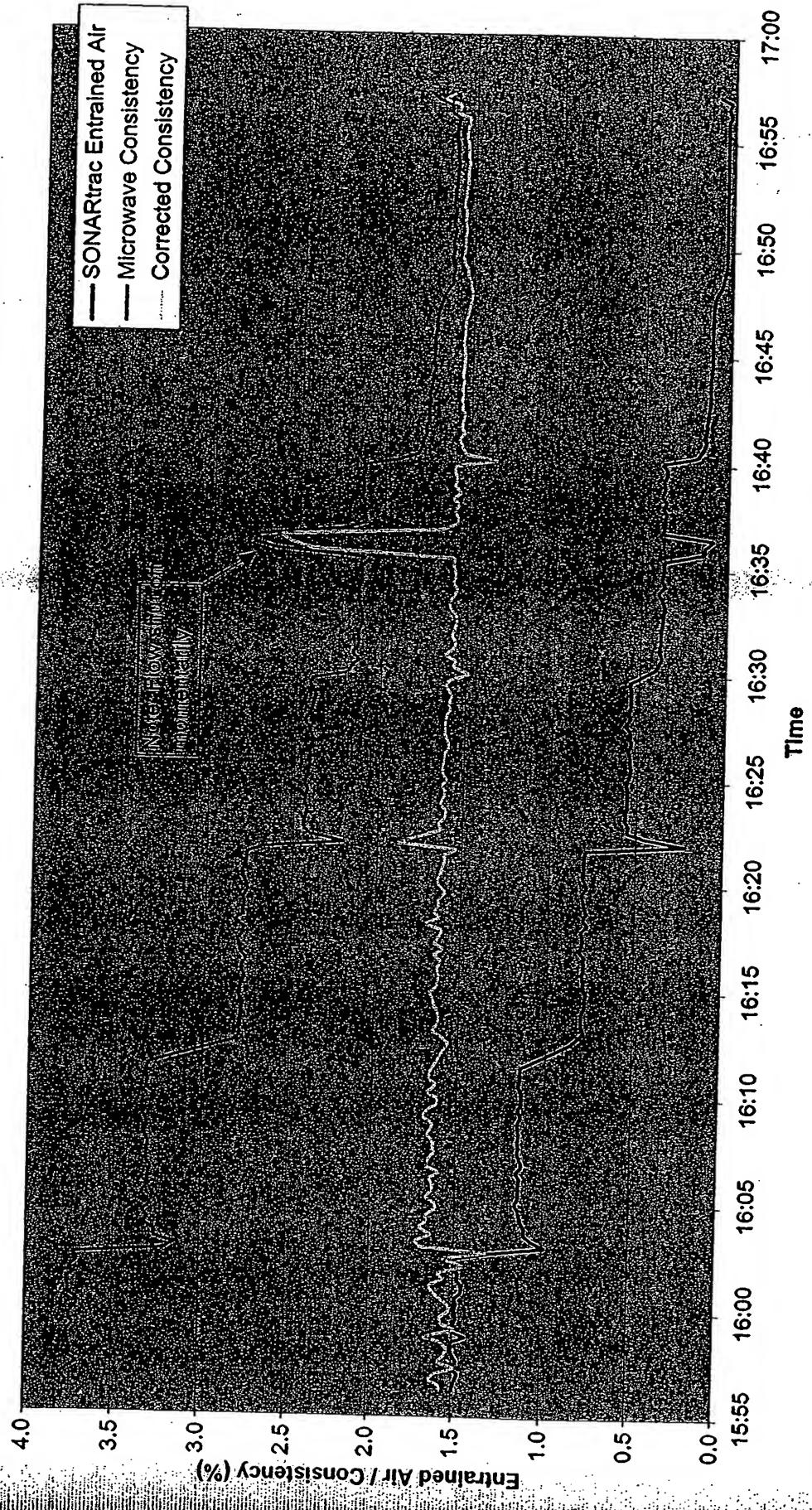


Fig. 21

**Microwave Consistency Corrected by CiDRA SONARtrac Entrained Air Measurement**  
Micro™ Air Flow Test

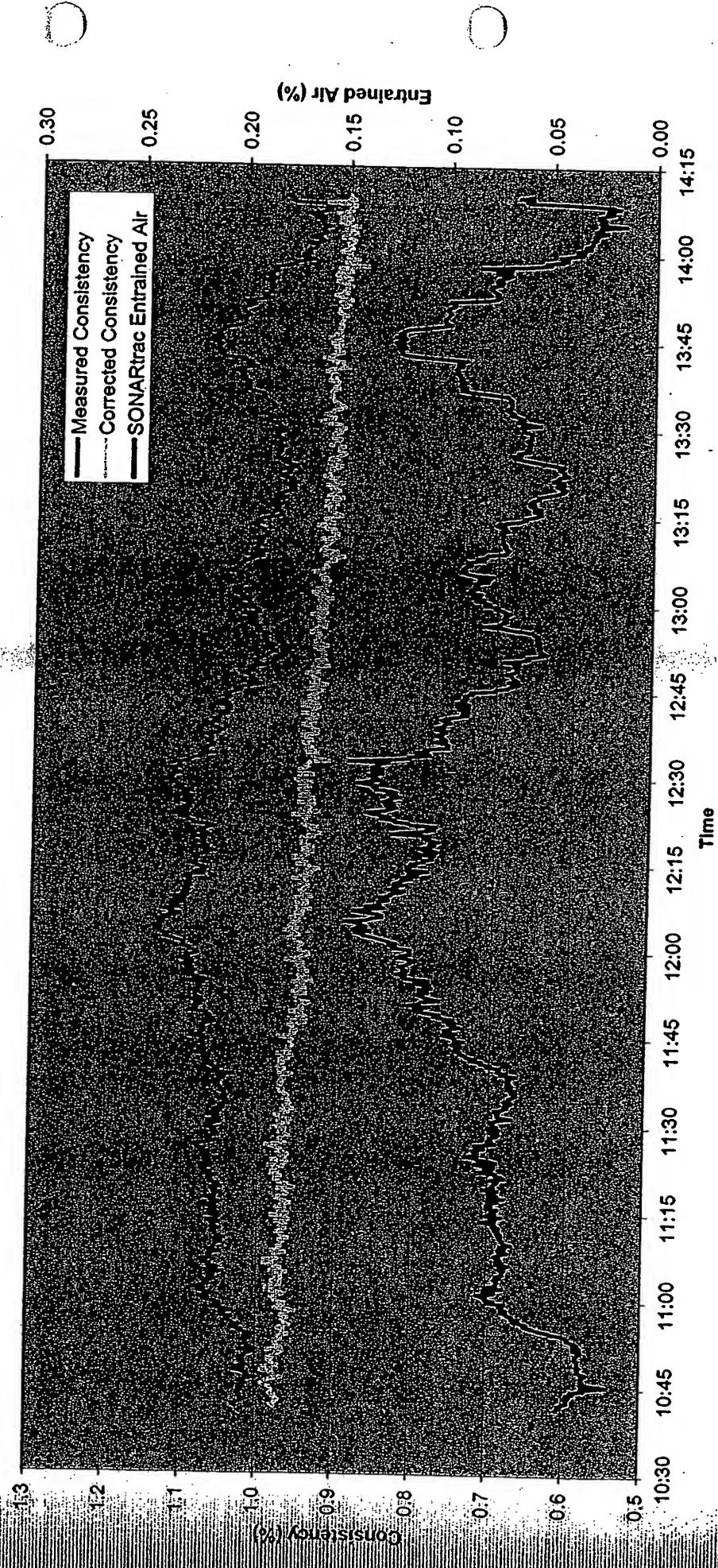


Fig. 22

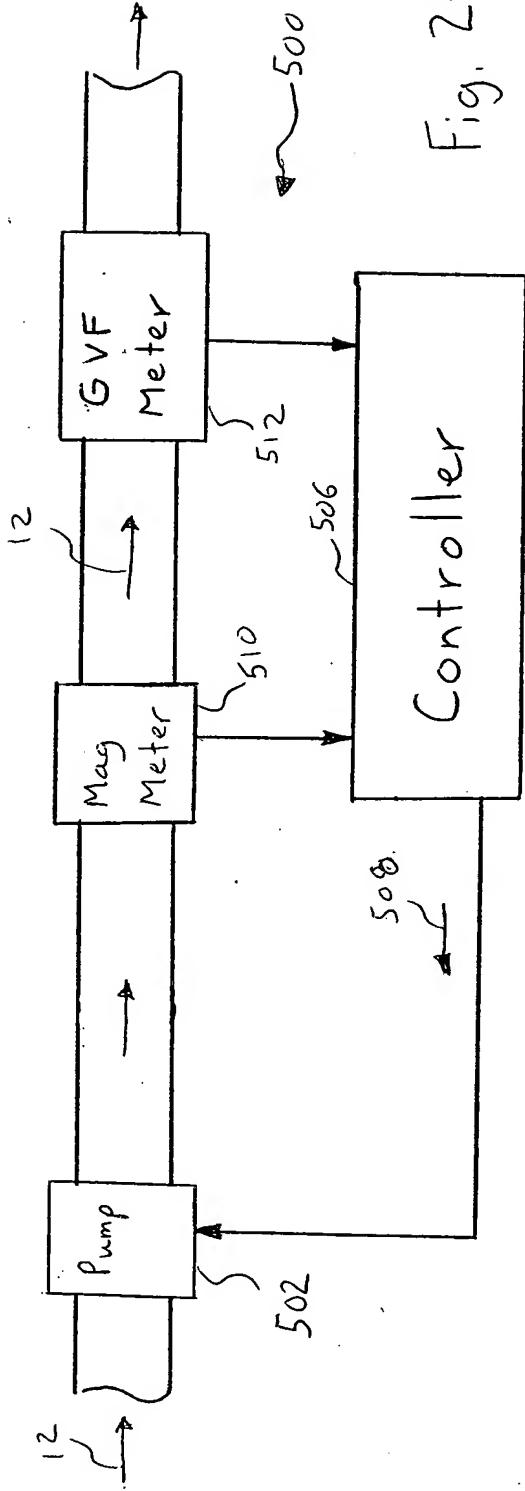


Fig. 24

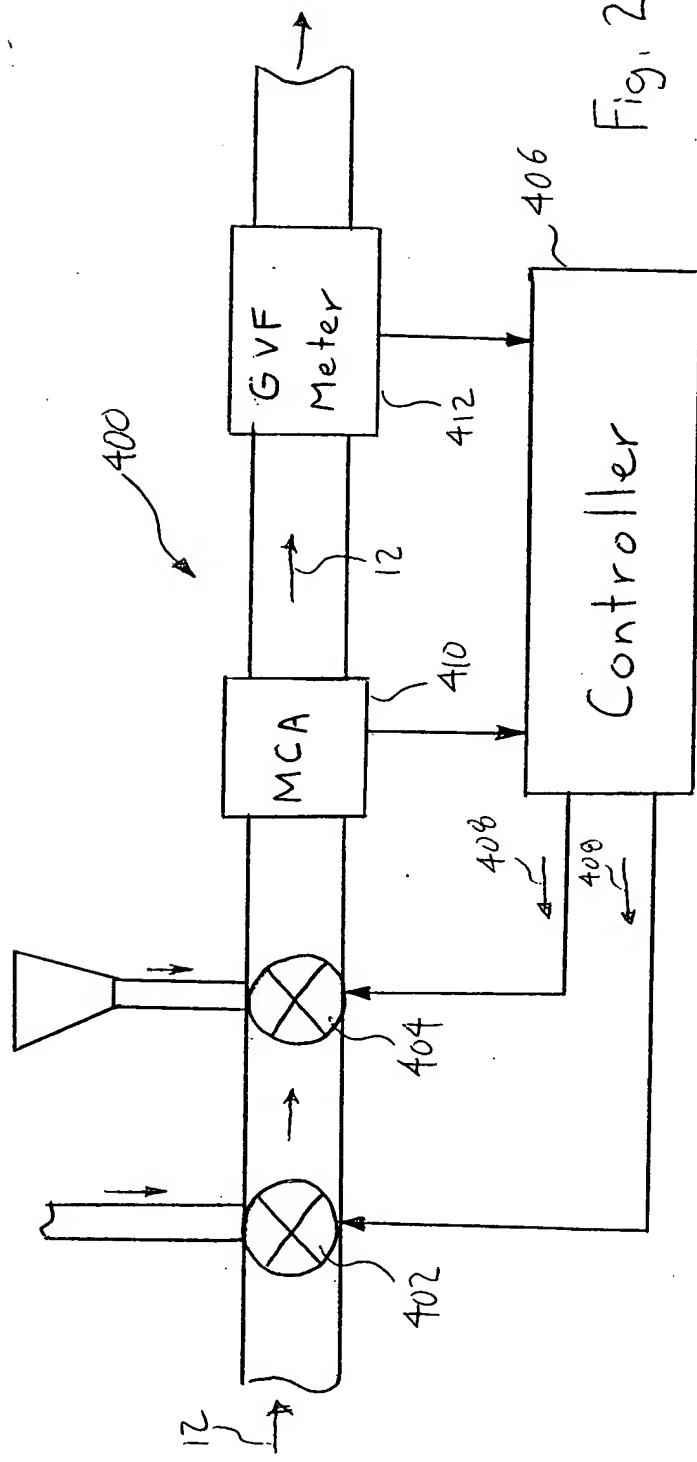


Fig. 23